

General Description of Magnetic Metal Specimen Support Discs for AFM and SPM



Magnetic metal specimen support discs are used on the AFM /SPM systems which employ a button magnet to hold the metal specimen disc. The metal specimen discs provided by NanoAndMore are made of a magnetic type 430 stainless steel with a nominal thickness of 0.90mm and a tolerance of +/- 0.08mm.

The smooth edges and flat surfaces of the metal AFM / SPM discs ensure secure holding by the button magnet. Specimens can be mounted directly on the metal discs with double sided tape, epoxy or conductive paste. If a mica specimen support is needed, the mica discs can be easily mounted on the metal support discs.

An additional feature of the metal AFM / SPM specimen discs is that they are cleaned after processing and exhibit a bright stainless steel color. Other brands of AFM / SPM discs tend to show a dull grey coating. Available in the most popular diameters: 10, 12, 15 and 20mm. Packaged in a plastic tube of 50 each.

Discs are also available with a double sided and rim covering 1 μm thick Au coating. Packaged in a plastic tube, content of discs vary with diameter.